

## ABSTRACT

A software system with task-specific flexible bindings that enhance the ability to dynamically add and remove resources from availability to tasks and that eliminates the need for coordination of globally unique names. The software system includes a task-specific name space which corresponds to a task executing in the software system. The task-specific name space holds flexible bindings each of which associates a task-specific name used by the task to refer to a desired resource or a set of one or more resources of the computer system and to information that describes the desired resource. The software system includes a resource mediator that obtains a message from the task. The resource mediator keeps information for each resource that identifies a resource handler task for the desired resource by resolving the task-specific name using the flexible binding.